NORTHRUP EXHIBIT H

93AC 7/11/92 Koy Jeatours: PCR on thermal-cyclic driven entymatic reactions, but unclude other DNA(A) other biochem on them) reactions All techns involving reaction-based methodologies Ability to intory elec, mechan on optical comps. using microfab techs: Reaction parameter control: heating, Reaction or reagent detection - manipulation 154 Appl. direct Fig. 2 charles & North mps. for carrying-out Per reactions. What are Biochen raction manife, Oxtect : nass chause, control + detection . Chamb-wave さいいかい す dance - to gp, mix & detect, Electro Kinetic effects to pp, ser or presone : interg_Ti control devices; (#) optical Filter: (5) chamber up hanting slewents

Allen Horthamp -11192 からにい しいけき chain: Mixing chamber; also miro liter vols som had in system Smuller - can be done faster af Uss pouls. 96047 550c -> heart + coul. Pre-parkaged/chips -> novel: Ten any other Treation that Monolithic, unicrofuls device >
1st time soul a super las scale.

(minophage) (3) use g hamb-acril as proper particles in longe Henry to ree is theme where on white's us 5,000, 149. unique: unicroheaters in charles. Fiber optic inside reaction charken for detection. PCR technis more take about tonation who can get elette to 1 to 5 minutes. Fautustin riger in time a conget. re cycler on the role of a cycle. De surfail area batter as of 35 d 1100. Reactions dep. on concentral

build on histor Res. on > 3 valts in <180 C 55° (Mono lithic Forb - is using ingested - can drive botched an cheep are disposable. * Need sper sheet for charles PP/1.79 in charber - re Dick charles-includer ultrasomi agitater for mixing. I Also enoful for all Eysening

Injact sanger 1 optic window Jor analysis Ja Junter 19, micro-light, Jiber optic 0+0 part of part of schill weaten story can fund diff court on Logs can tund diff court on Logs tag operling the diff fulse. Heating is talso done by tuning Fa Ju heaten: Kry doing Pen on chip w/ reaction chanker. Mentarials word in Charles con negatives effect of the sent divalent Eations will fromt Fer from Duing. ileactants on chip in advance of sold can a mit. Used surfue termen to mantan reactant

Possible talks pubs: nour our
the horz, oct 1992

to mid-June + fle by end byling of June

& Remote drive

same spendt

dee vinitais 45 5,006,749

Adus: All parts of chamile moved at - adv. g harb-

Blunt Flows

Land- Jane

ral - Nice Jentine. Polisilion - linear -1 To electrodes the Sand in Know conert It + measure volto bet. eletales A + 13. This detail should be

Si Oz- is material at bottom

of charber; Std monterial

holder by bio- Charter

parts. attach to probas & slinter

change so know have attached

to probes.